

FIG.1

FIG. 2

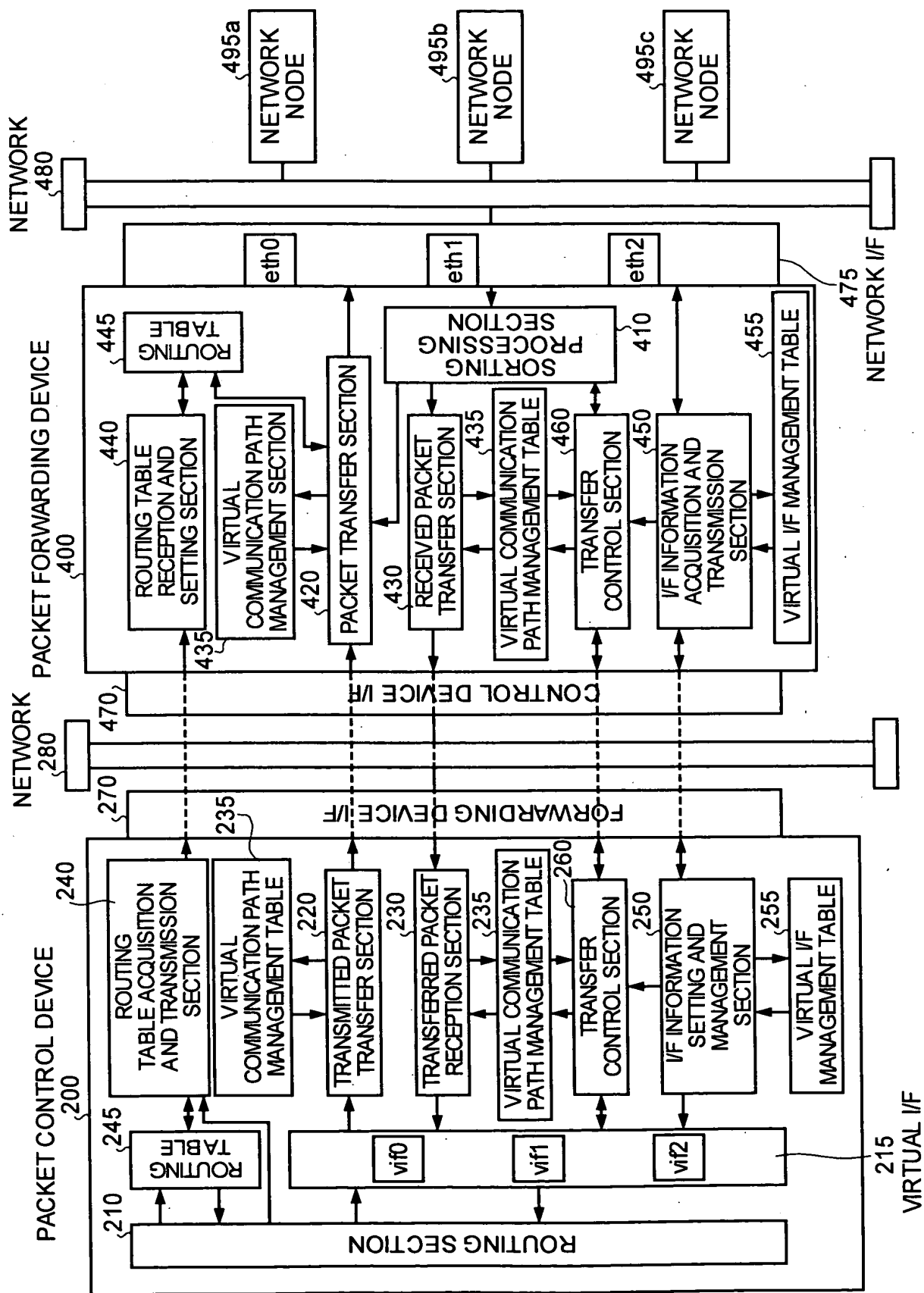


FIG.3

VIRTUAL COMMUNICATION PATH IDENTIFIER	TARGET I/F	CONNECTION IDENTIFICATION INFORMATION
1001	vif0	src=x1,p1,dst=y1,q1
1002	vif1	src=x2,p2,dst=y2,q2
1003	vif2	src=x3,p3,dst=y3,q3

FIG.4

CONNECTION IDENTIFIER	TARGET I/F	CONNECTION IDENTIFICATION INFORMATION
PID 0:1	vif0	src=x1,p1,dst=y1,q1
PID 0:2	vif1	src=x2,p2,dst=y2,q2
PID 0:3	vif2	src=x3,p3,dst=y3,q3

FIG.5

VIRTUAL I/F IDENTIFIER	TARGET DEVICE	ACTUAL I/F IDENTIFIER
vif0	fwd0	eth0
vif1	fwd0	eth1
vif2	fwd0	eth2

FIG.6

VIRTUAL COMMUNICATION PATH IDENTIFIER	TARGET I/F	CONNECTION IDENTIFICATION INFORMATION	MANAGING CONTROL DEVICE ID
1001	eth0	src=x1,p1,dst=y1,q1	cnt0
1002	eth1	src=x2,p2,dst=y2,q2	cnt0
1003	eth2	src=x3,p3,dst=y3,q3	cnt0

FIG.7

ACTUAL I/F IDENTIFIER	TARGET DEVICE	VIRTUAL I/F IDENTIFIER
eth0	cnt0	vif0
eth1	cnt0	vif1
eth2	cnt0	vif2

FIG.8

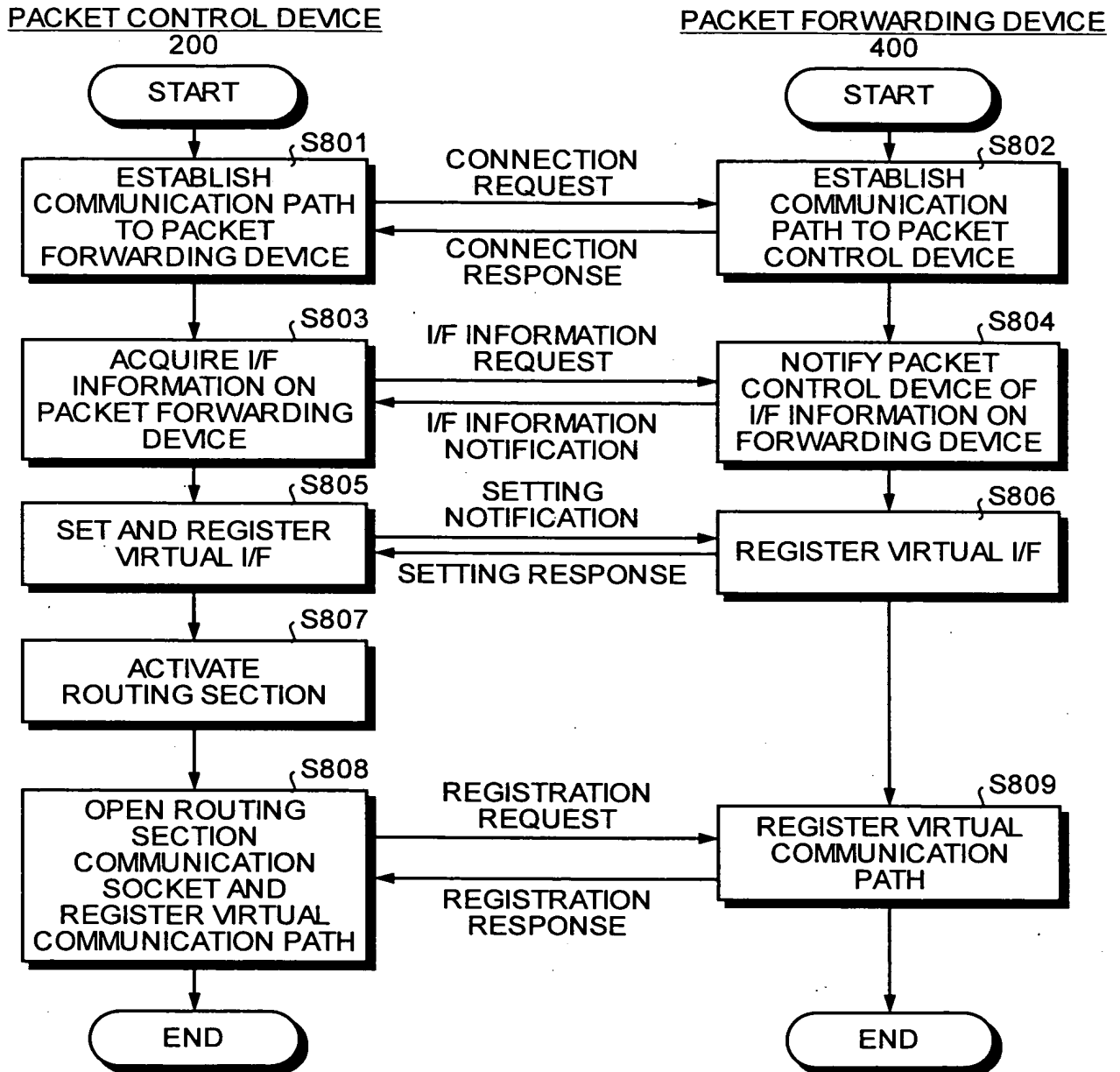
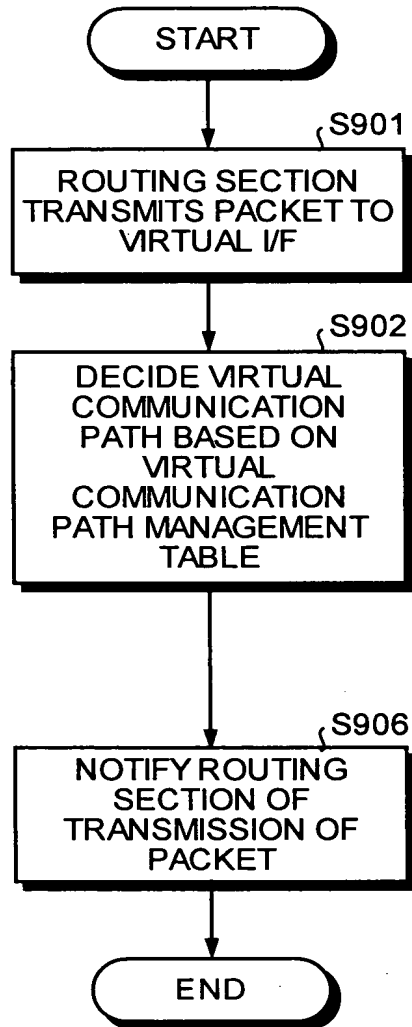
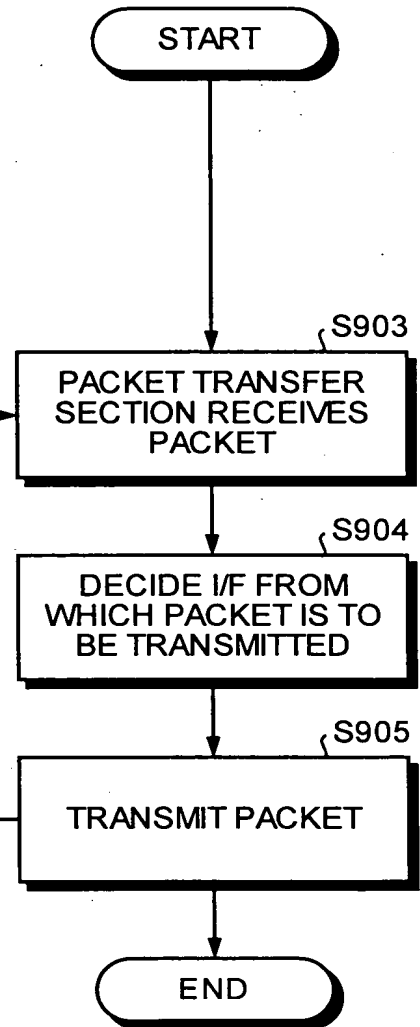


FIG.9

PACKET CONTROL DEVICE  
200



PACKET FORWARDING DEVICE  
400



PACKET TRANSFER

PACKET  
TRANSMISSION  
COMPLETION  
NOTIFICATION

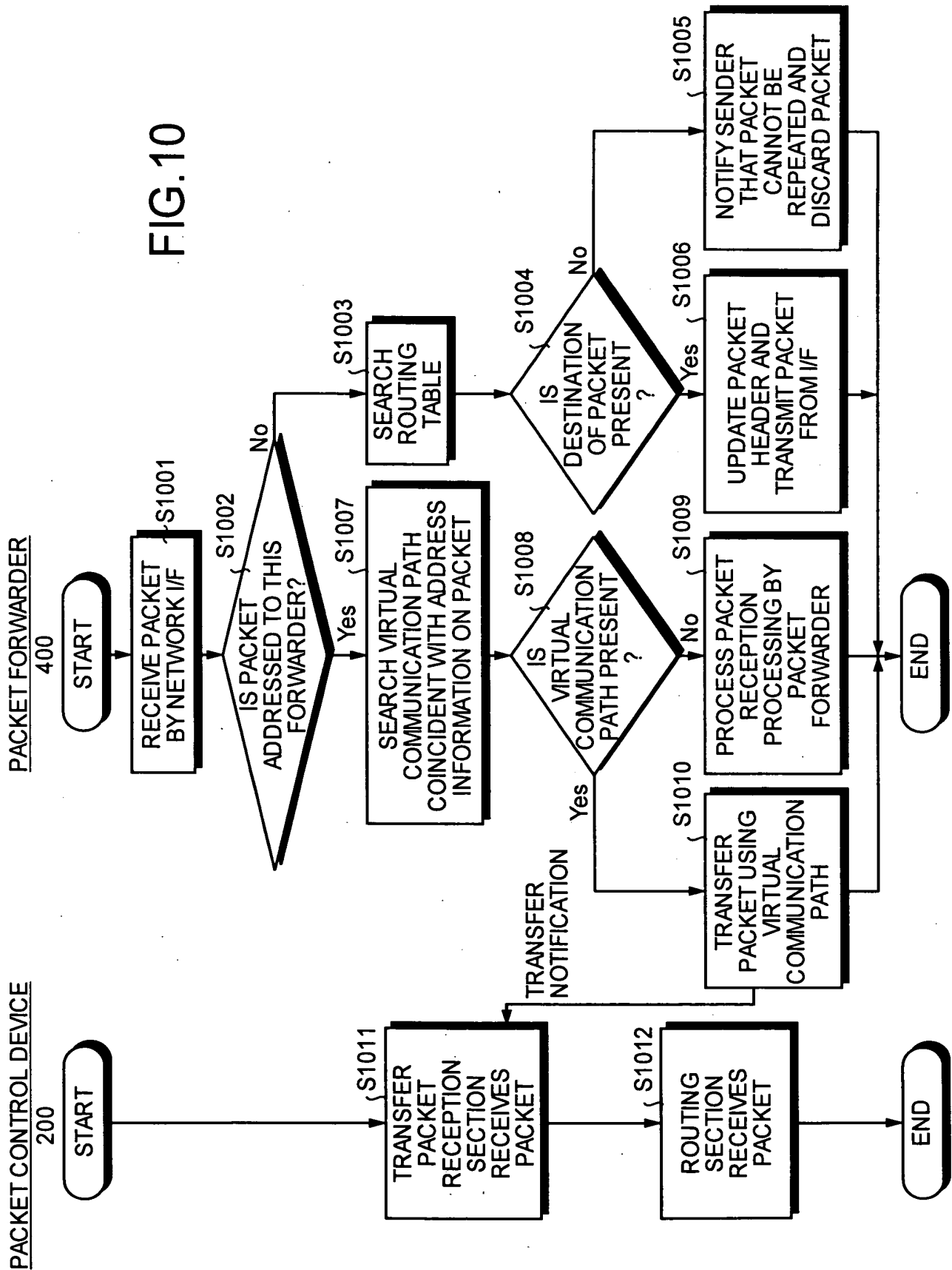


FIG.11

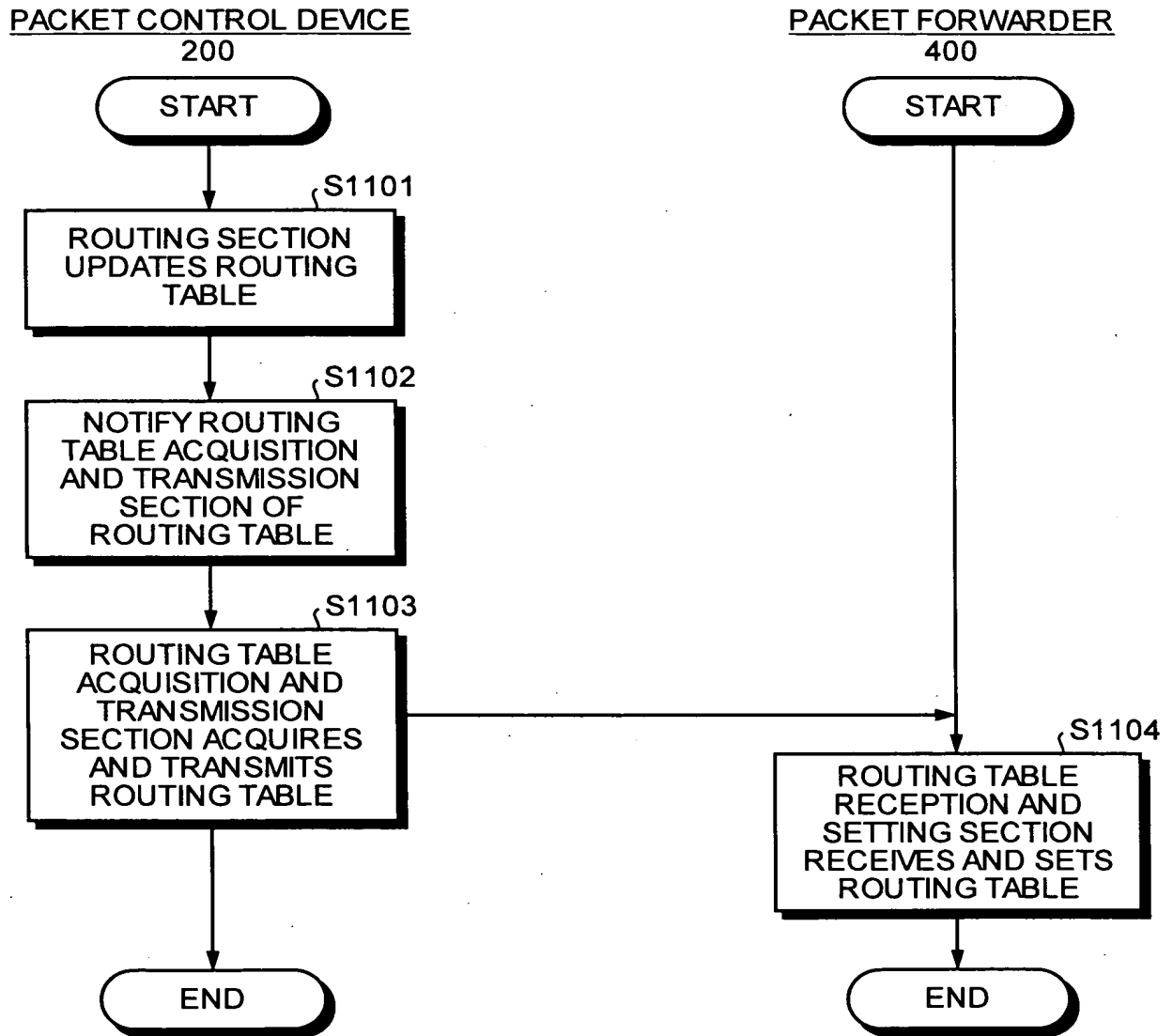




FIG.12

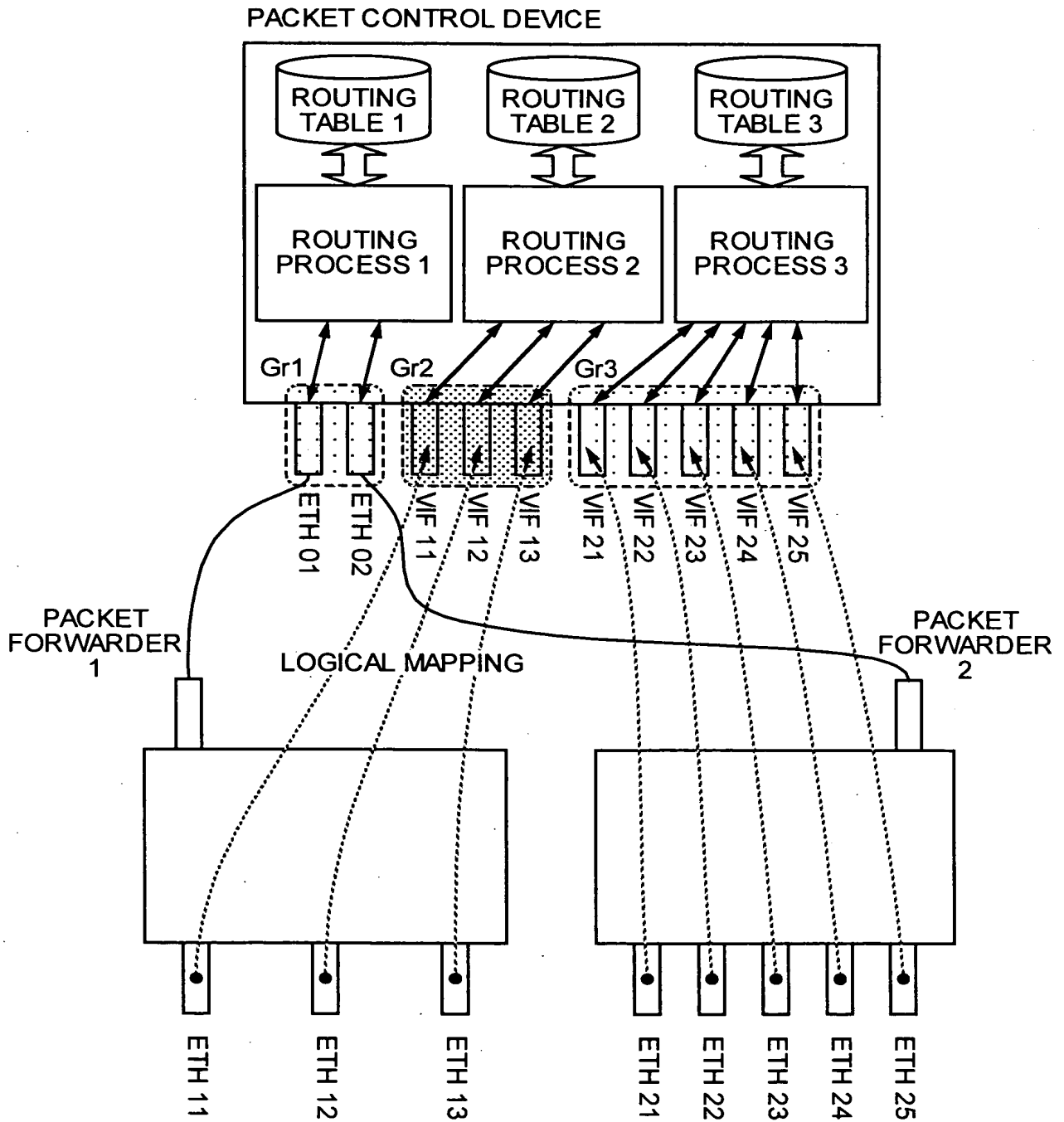


FIG. 13

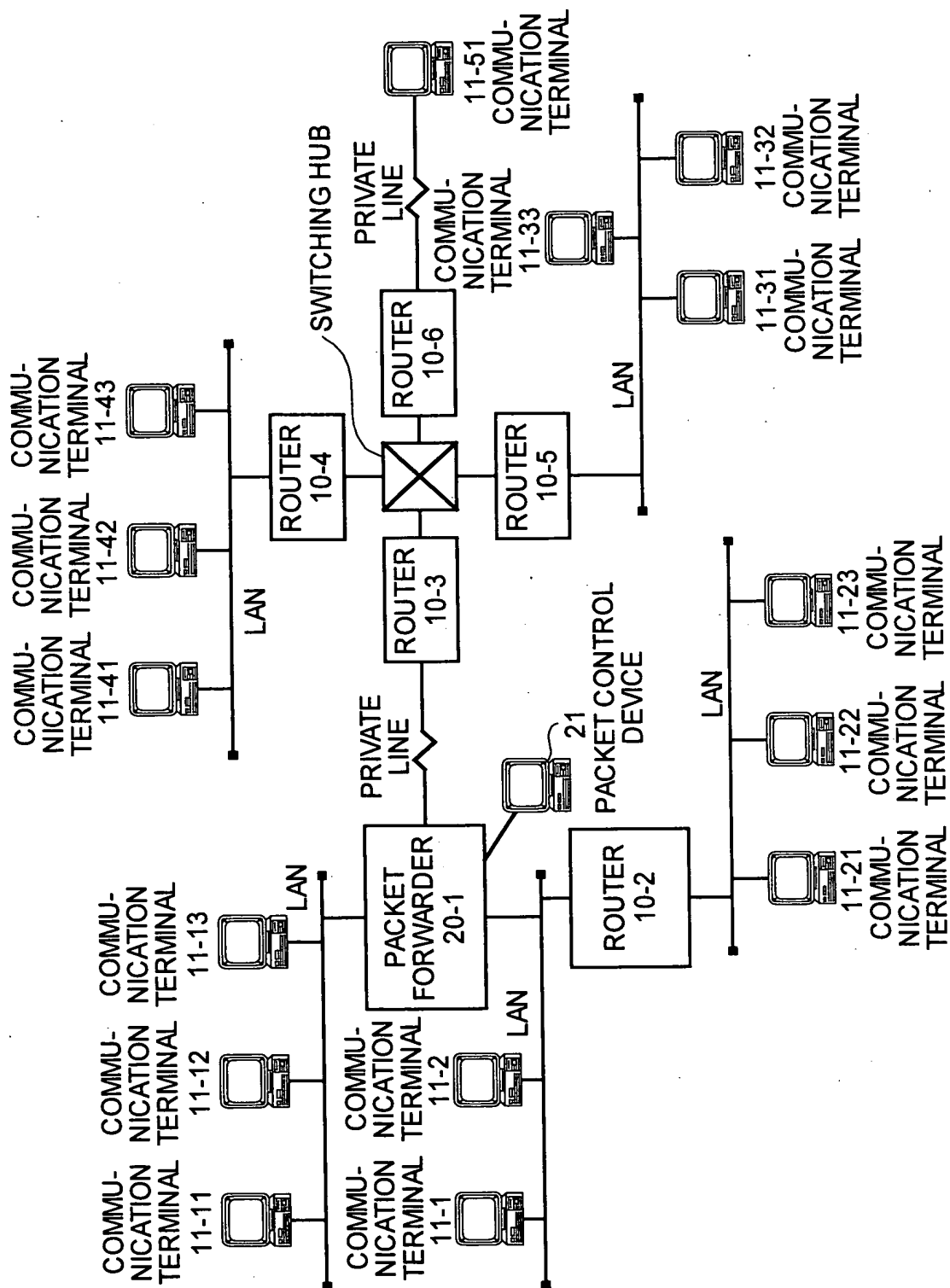


FIG. 14

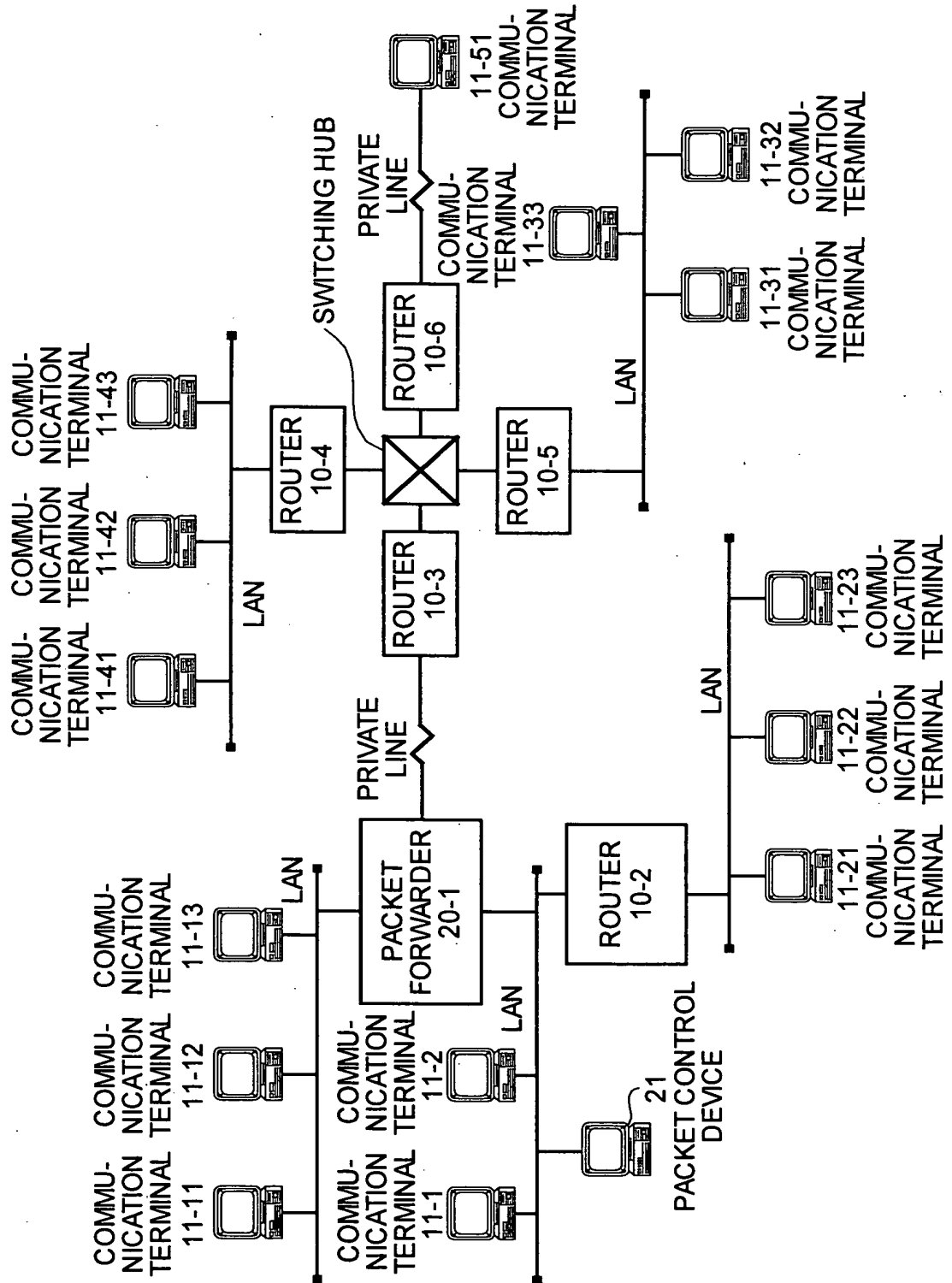


FIG. 15

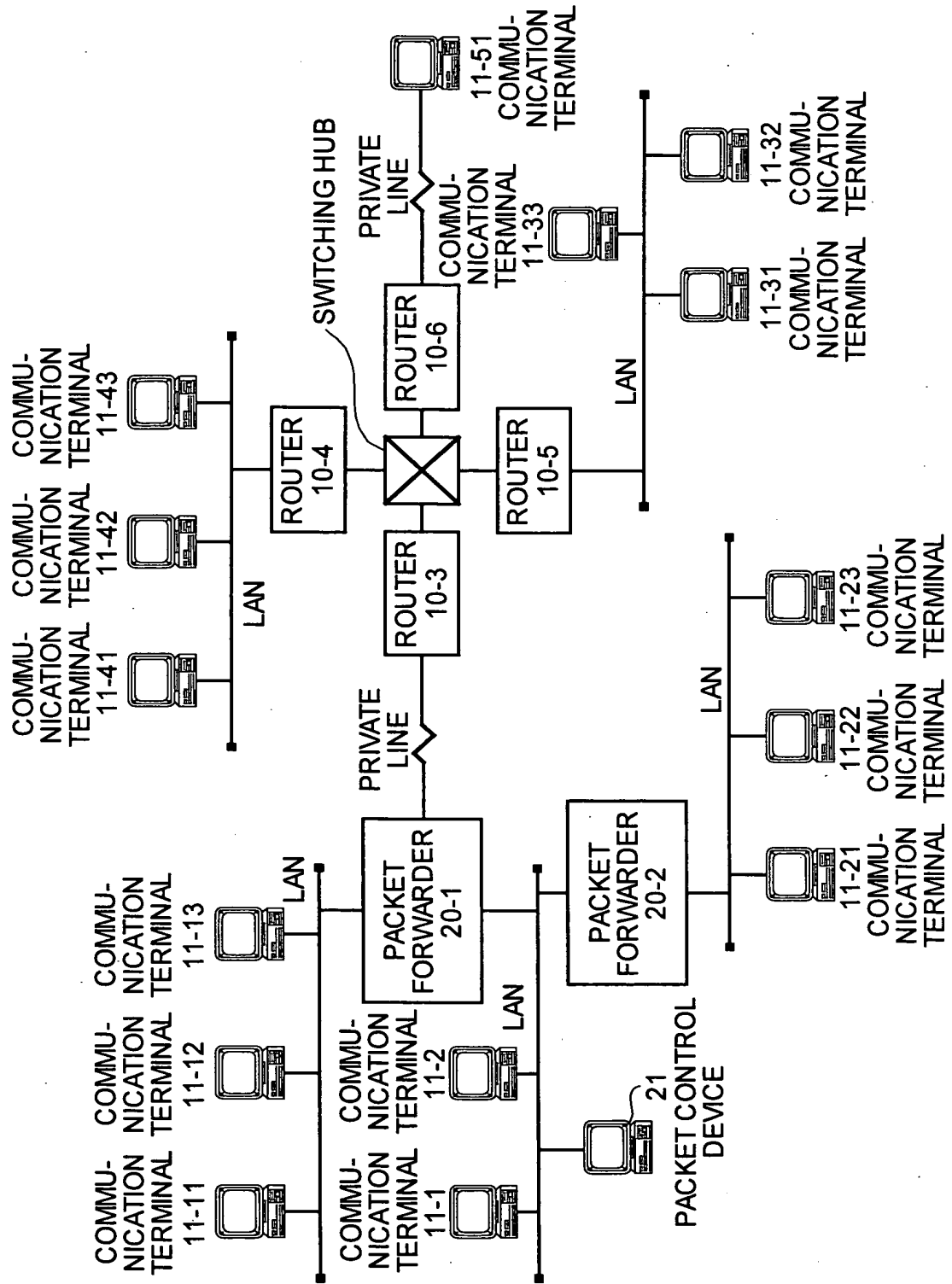
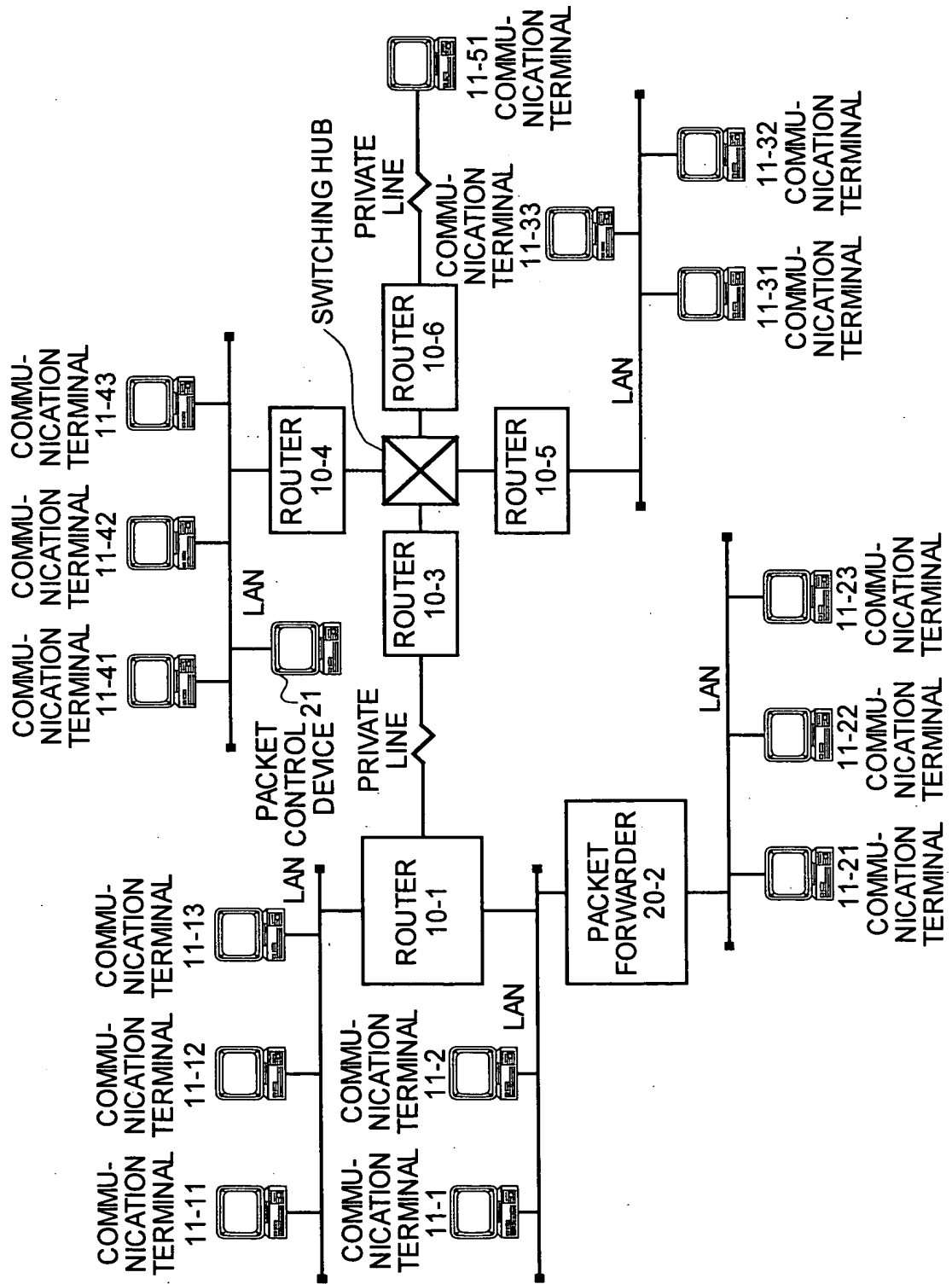


FIG. 16



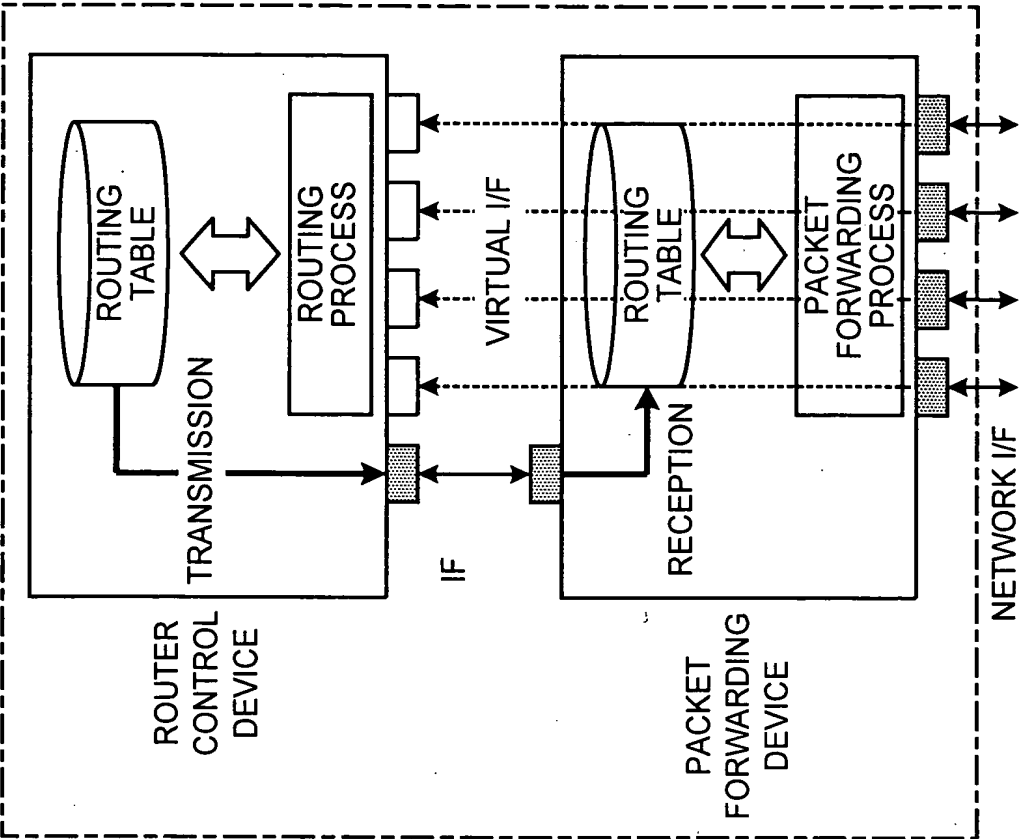


FIG.17B

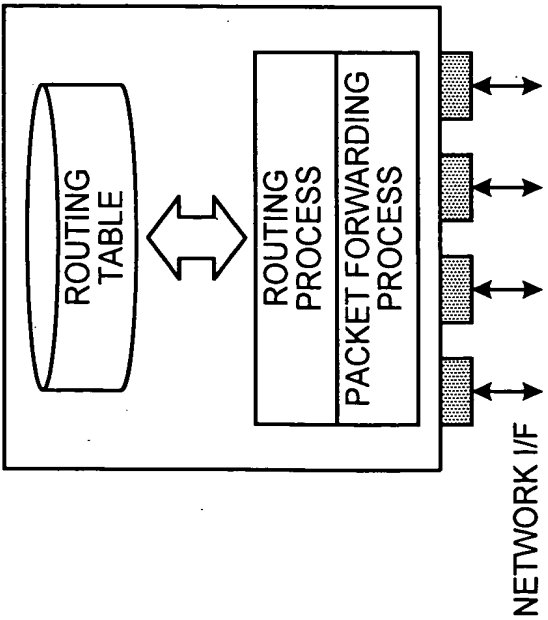


FIG.17A

FIG. 18

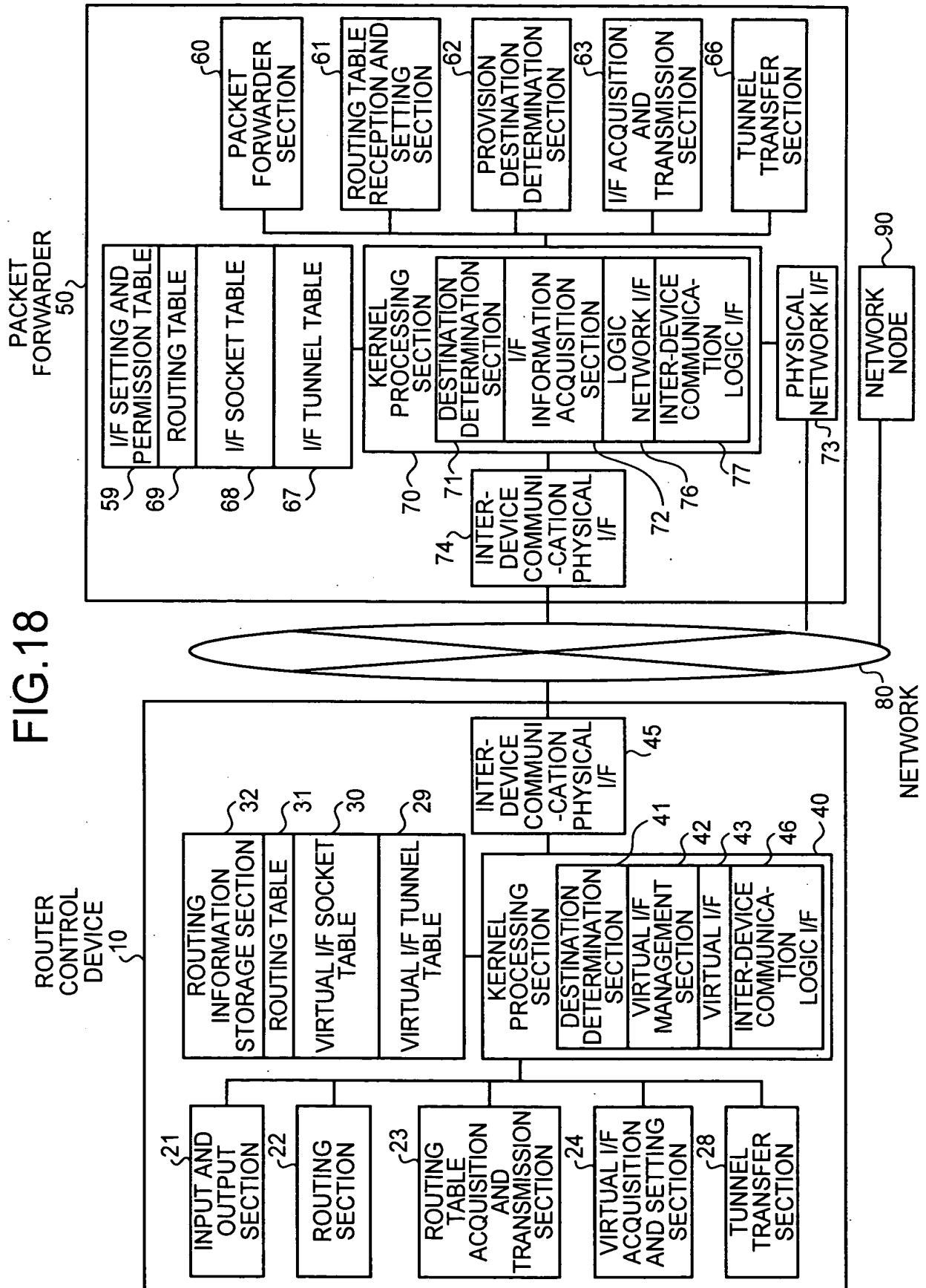
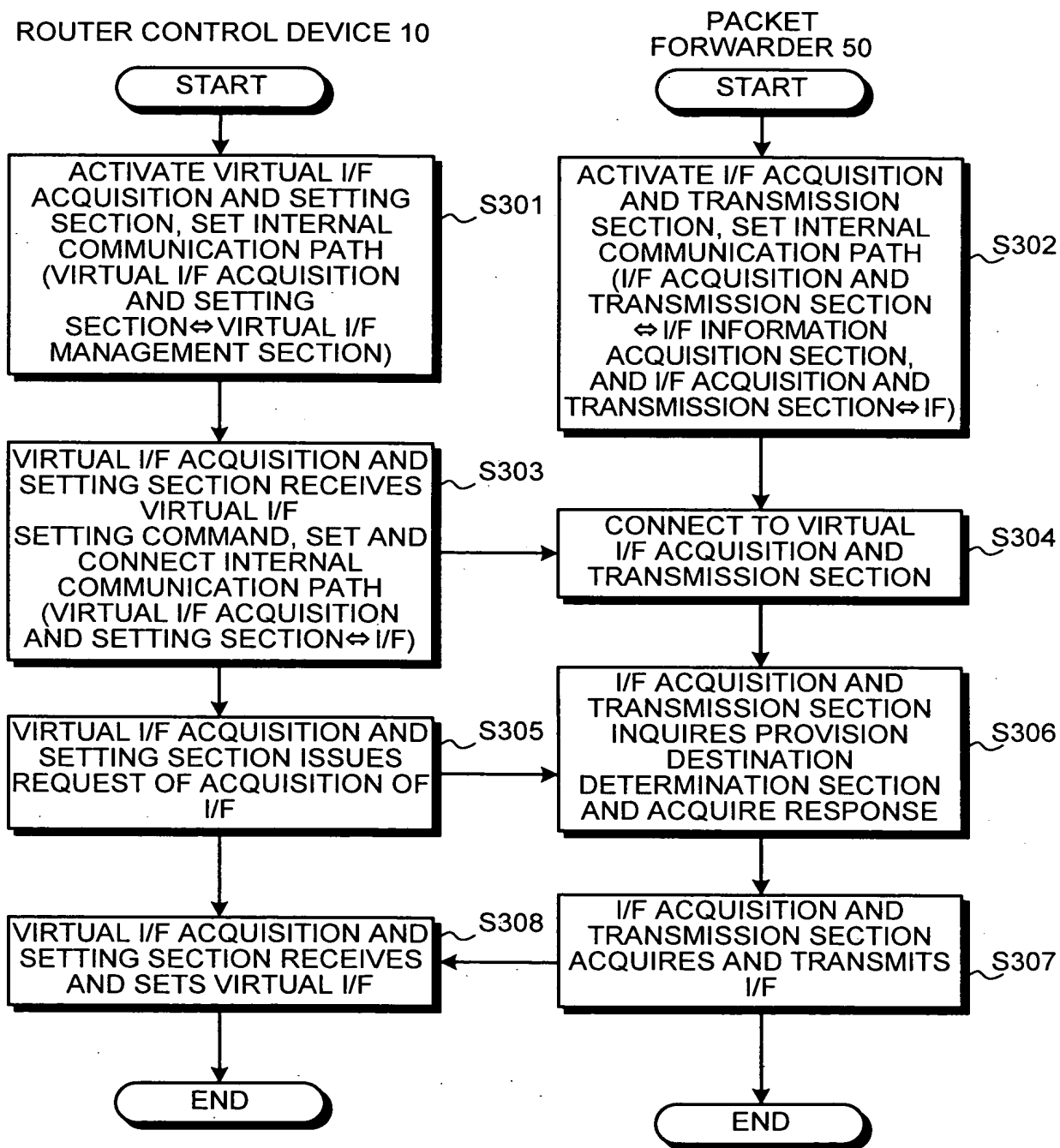


FIG.19





VIRTUAL I/F	FORWARDER IP ADDRESS	I/F TUNNEL IDENTIFIER
veth1	10.25.165.110	50
veth2	10.25.165.110	60

VIRTUAL I/F	FORWARDER IP ADDRESS	I/F TUNNEL IDENTIFIER
veth1	10.25.165.110	50
veth2	10.25.165.110	60

I/F TUNNEL IDENTIFIER	LOGIC I/F OF NETWORK I/F
50	eth1
60	eth2

I/F TUNNEL IDENTIFIER	LOGIC I/F OF NETWORK I/F
50	eth1
60	eth2

LOGIC I/F OF NETWORK I/F	PERMITTED DEVICE IP ADDRESS
eth1	10.25.165.100
eth2	10.25.165.100

LOGIC I/F OF NETWORK I/F	PERMITTED DEVICE IP ADDRESS
eth1	10.25.165.100
eth2	10.25.165.100

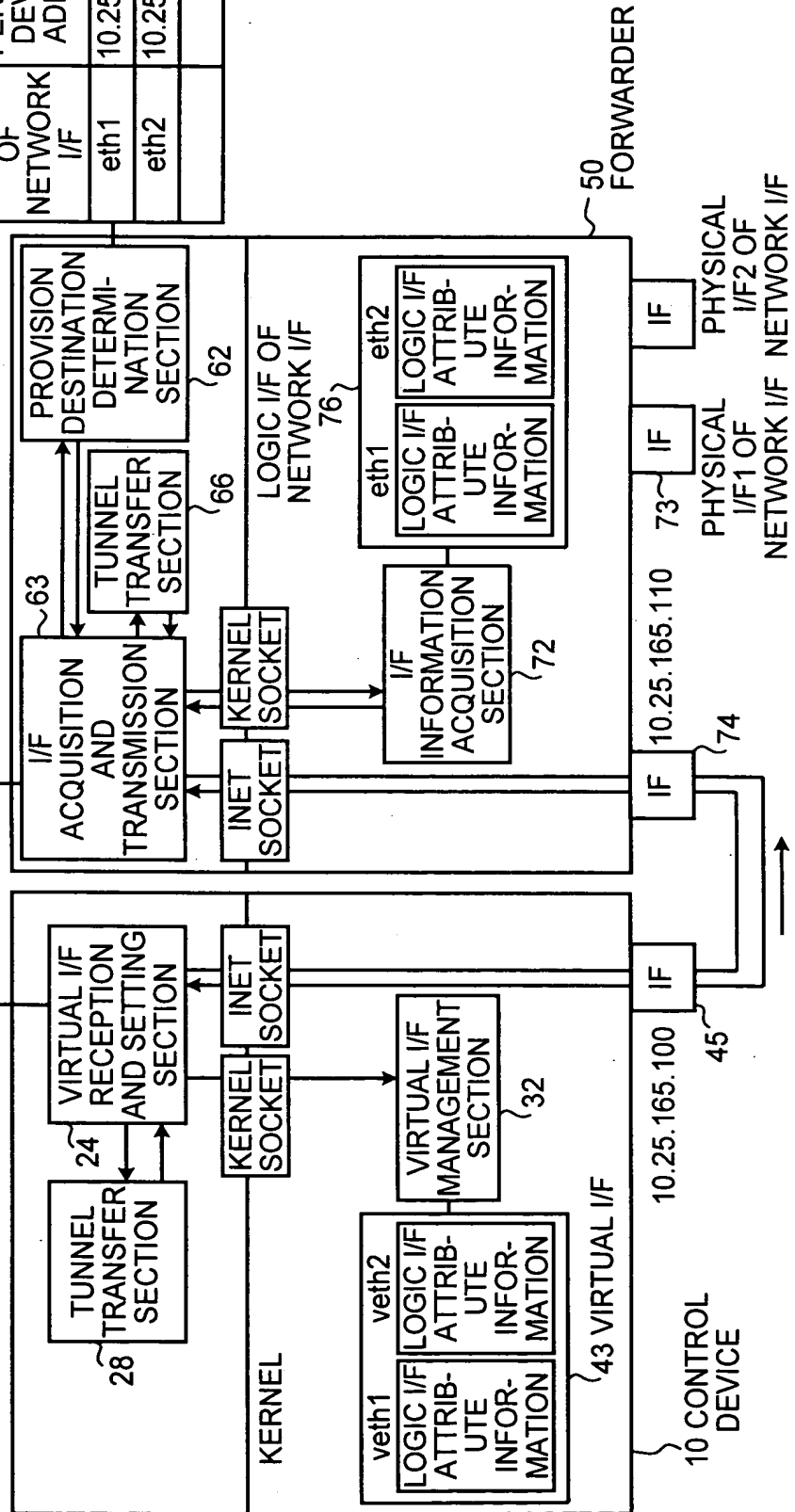


FIG.21

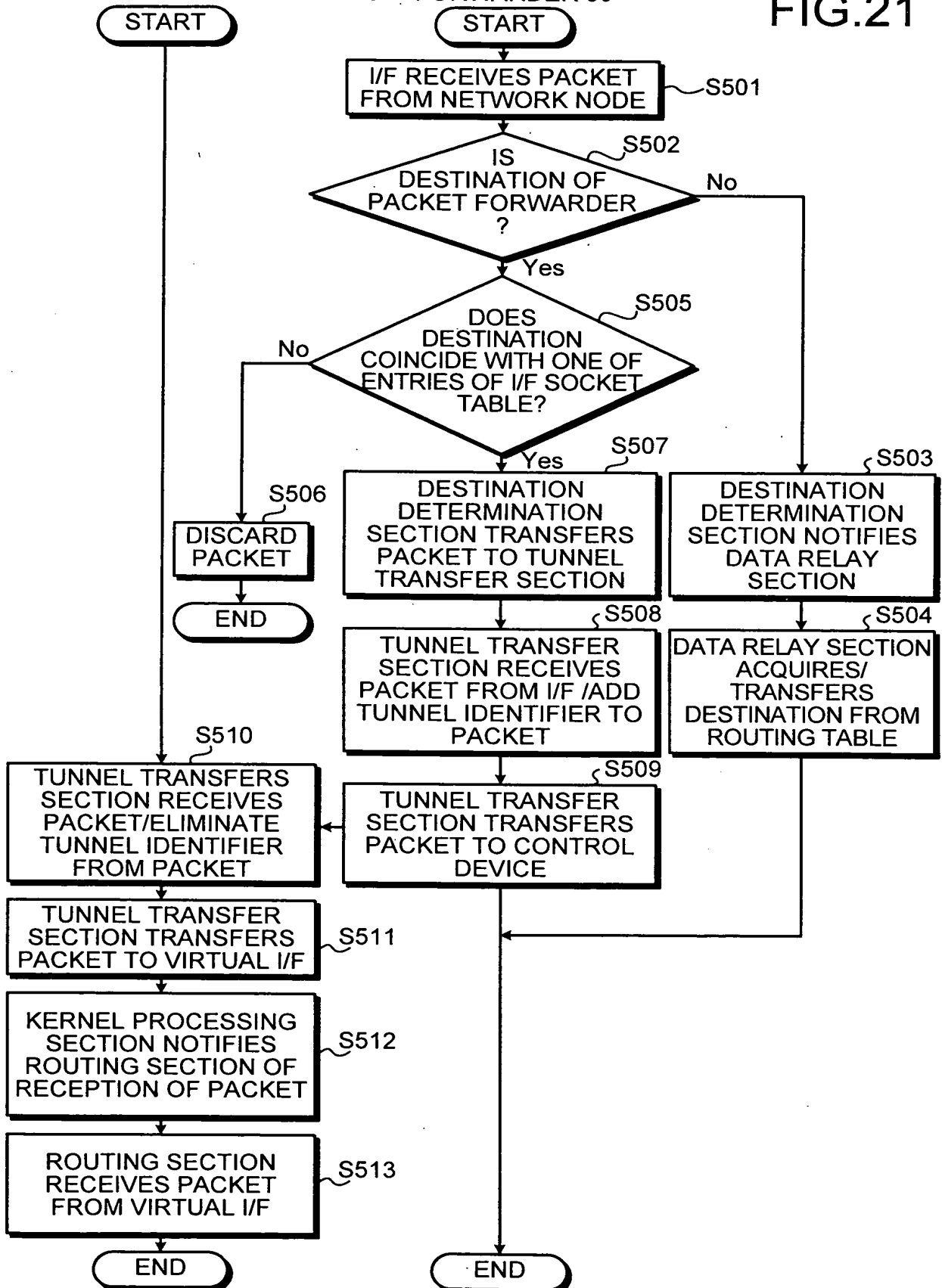


FIG.22

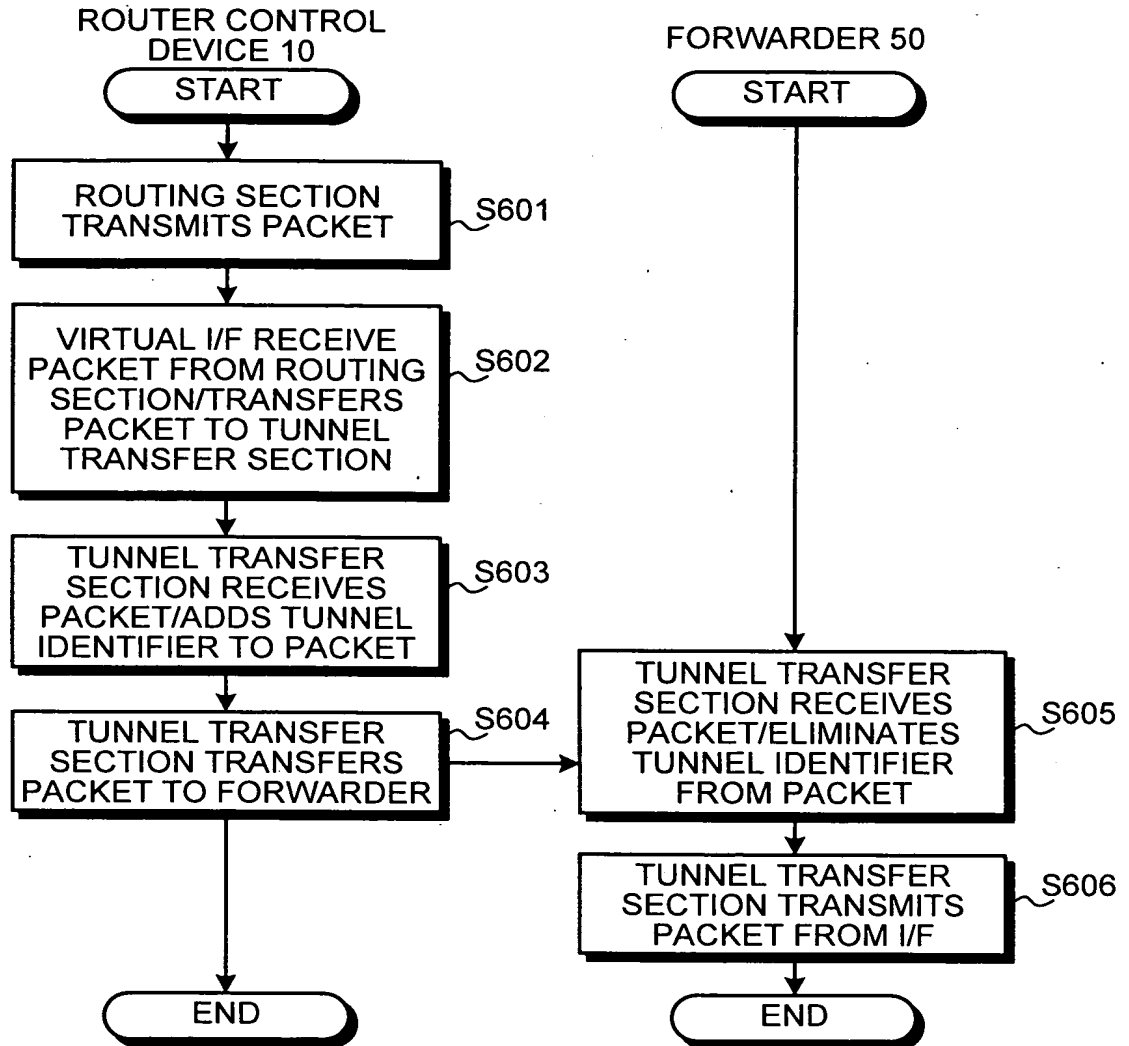
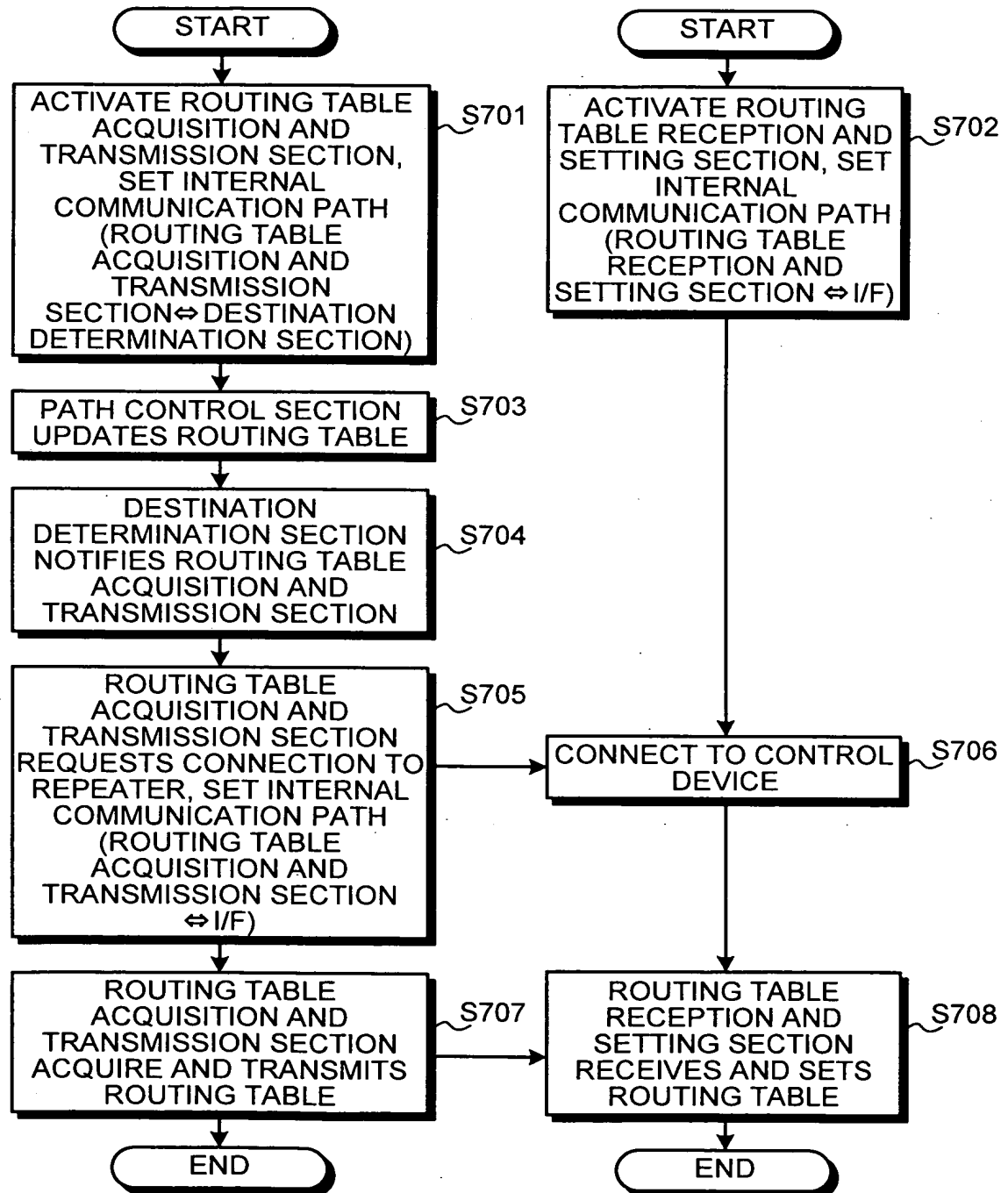


FIG.23

ROUTER CONTROL DEVICE 10

FORWARDER 50



**FIG. 24**

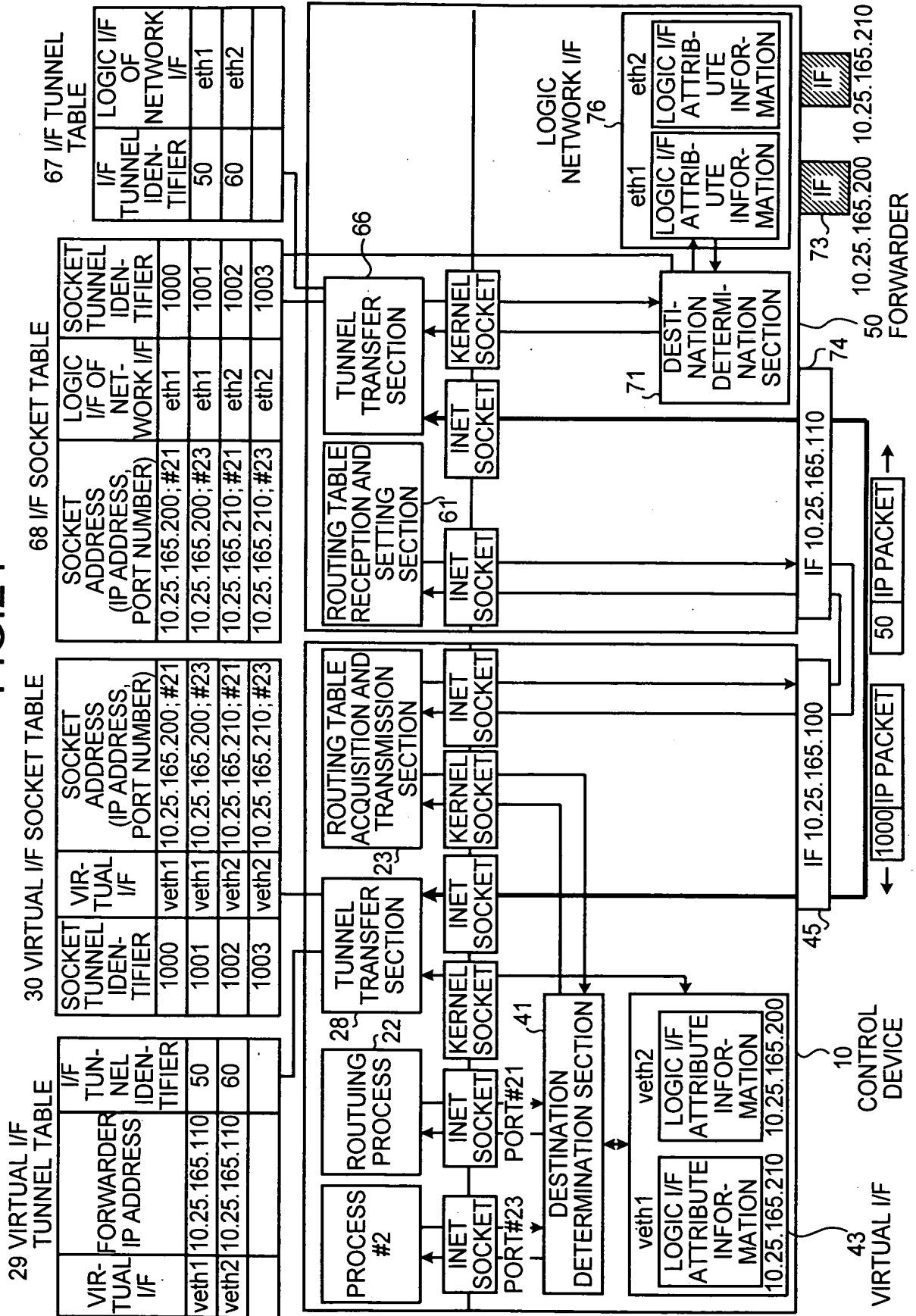


FIG.25

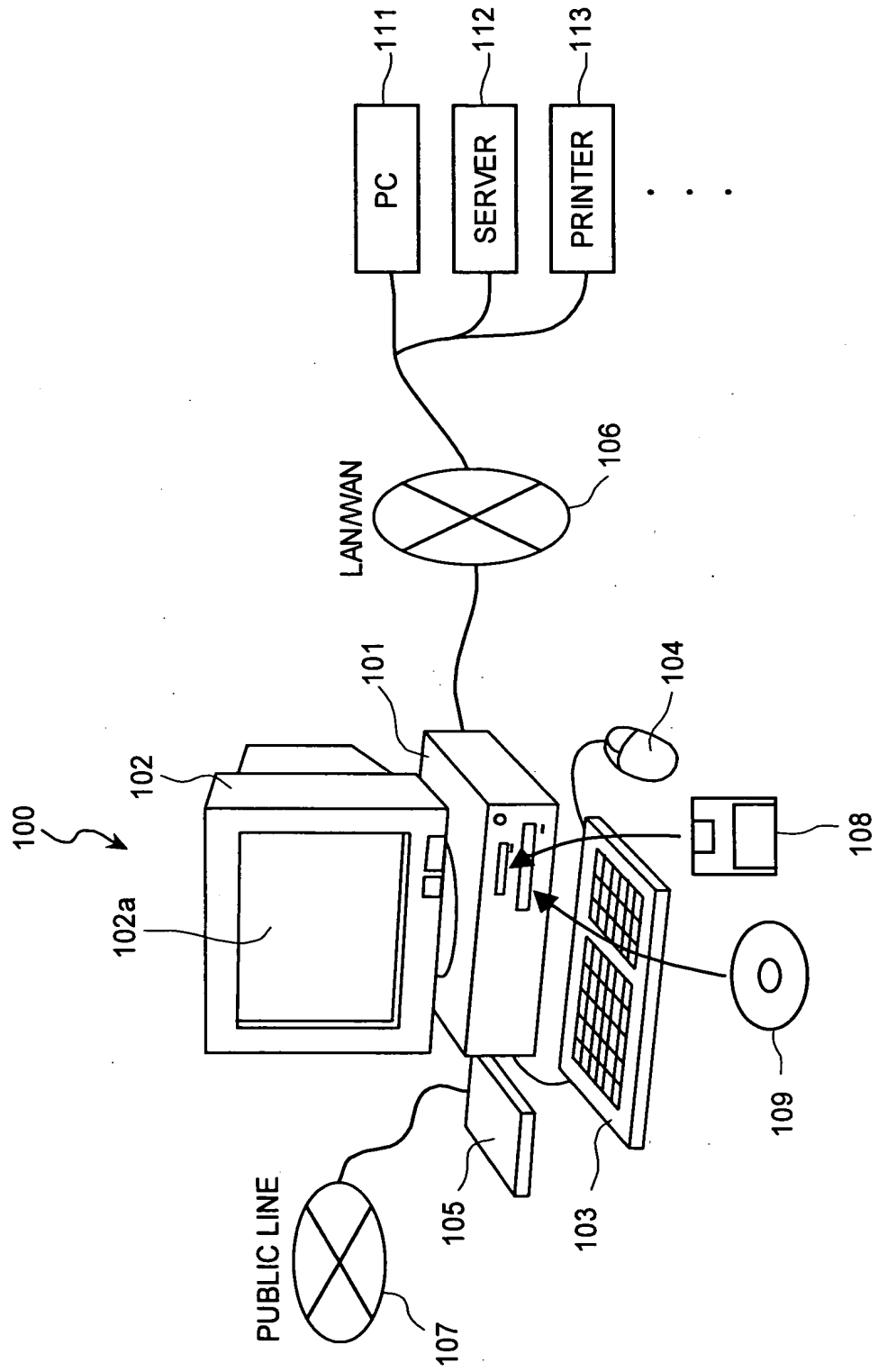


FIG.26

